Dryer

Model:MDS70-V032_A0431-EU18-P1

Service Manual

Note：

Before service the unit, please read this manual first.
Contact with your service center if meet problem

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1 Precaution

When performing troubleshooting and part replacement during servicing, note the following safety precaution.

1-1.Safety Precautions

1-1-1.Use Genuine Parts

The components of the Tumble Dryer machine have safety features such as non-combustibility and voltage withstanding. Therefore, always use the same part as suggested by the maker. In particular, be sure to use only designated parts in case of major safety parts identified by the marker.

1-1-2.Grounding

Connect the grounding wire to the shell plate, and bury it under at least 25cm of earth: alternatively, connect the ground wire to the appropriate pin on a properly grounded power receptacle. Never connect the wire to a telephone line, lightning rod, or gas pipe.

1-2. Servicing Precautions

1-2-1. Observe Warnings

Be sure to follow special warning and precautions that are described on part labels and in the owner's manual.

1-2-2. Parts Assembly and wiring

Be sure to use insulation material (such as tube and tape). And be sure to restore all parts and wires to their original position. Take special care to avoid contact with sharp edges.

1-2-3 Perform Safety Checks after Servicing

After servicing, check to see that the screws, parts, and wiring are restored to their original positions, and check the insulation between the external metals and the socket plug. In addition, place the Tumble Dryer machine in a level position (less than 1(one) degree) to prevent vibration and noise during operations.

1-2-4.Insulation Checks

Pull out the plug form the power receptacle, pour water into the spin tub, and then set the timer. Check to see that the resistance insulation between the terminals of the plug and the externally exposed metal is greater than 1M.

Note: When it is impossible to perform insulation check with a 500V insulation resistance tester, use other testers for inspection.

1.3 Cautions For Safety

- Please observe the following notes for safety.
- The symbols indicate as follows.

Symbol	Meaning
WARNING	Indicates possibility of death or serious injury of a repair technician and a person nearby through the misconducted work, or of a user by a defect of the product after the work performed by the technician.
CAUTION	Indicates possibility of injury or physical damages* of a repair technician and a person nearby through the misconducted work, or of a user by a defect of the product after the work performed by the technician.

Graphic Symbol	Meaning
	Caution : Read the operator's manual before using this product!
	caution, hot surface
	caution, risk of fire
UNPLUG POWER	Unplug power cord for the work such as disassembling which is not unnecessary to power on . Do not hold the plug by a wet hand. Failing to unplug may cause an electric shock.

2 Unpacking Ways Of Main Parts

Ordinary Information

1.Please unplug the power cord when you disassemble or maintain the product；

2.Please use the regulation connector lug between the wires as much as possible. Then crimp them firmly by the proper tools and bundle them by the insulating tape;

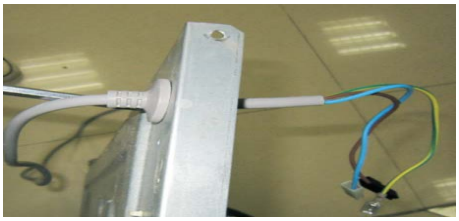
3.When you plug the wires, please insert the plug to the bottom so it is not easily to be unplugged;

4.Make sure that the wires cannot touch the mobile part such like the drum, and also cannot touch the sharp/hard-edged party and high-heat part (motor);

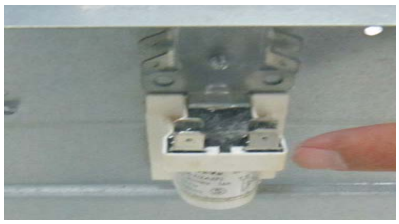
5.Please preserve the screws when you take them down. You will use them when you install the dryer;

6 6.ometimes you must operate the dryer when it is electriferous. In this case, you must be careful and pay attention to the electric shock.

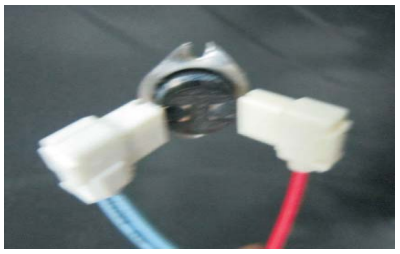
2 Unpacking Ways Of Main Parts

Steps of disassembling machine	Pictures
1. Remove the top cover components of the case (1) Remove the screw cap; (2) Remove the screws fixed roof component; (3) Take out the roof component. ⚠ WARNING UNPLUG POWER ■ Unplug the power cord for the work unnecessary to power on like disassembling. Do not hold the plug may cause an electric shock	
2.Remove the back board component of the case (1) remove the screws fixed back board ; (2) remove the screws fixed thermostat support component; (3) pulled out wire harness assembly and Line firm and terminal connected with back board; (4) take down the back board component.	
2-1. Removed the back vent flange	
2-2. Remove the power line	

2 Unpacking Ways Of Main Parts

Steps of disassembling machine	Pictures
2-3. Remove the filter	
3. remove the door component (including the door hinge) (1) remove the screws fixed door hinge; (2) take down the door component and hinge.	
3-1. remove the door hinge, front door and back door frame	
4. Remove the inner tub assey (1) Remove the reinforced plate; (2) take out the belt from the motor shaft ; (3) removed the screws which is fixed drum kit and the automatic thermostat; (4) pull out the terminal connected wire with heating pipe; (5) take out the drum kit and the belt.	
4-1. Remove the body of drum, lifting bar, heating pipe cover and drum shaft, etc	
4-2. Remove the heating pipe, heating pipe cover and its Support	

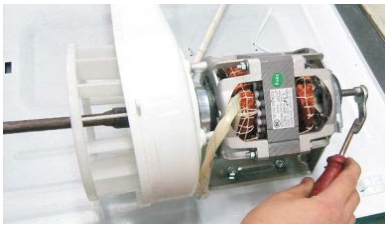
2 Unpacking Ways Of Main Parts

Steps of disassembling machine	Pictures
5. Remove the control panel component (1) removed the screws fixed control panel component; (2) Pull out the terminals connected wire with PCB board.	
5-1. Remove the control pannel, PCB board and buttons, etc.	
6. Remove the wiring harness (including the thermostat) (1) remove all the line firm fixed wires; (2) pull out the terminals connected the wires with the motor and the door switch ; (3) take out the wires.	
6-1. Remove the automatic thermostat	
6-2. Remove the support components of the manual Thermostat	
6-3. Remove the manual thermostat	

2 Unpacking Ways Of Main Parts

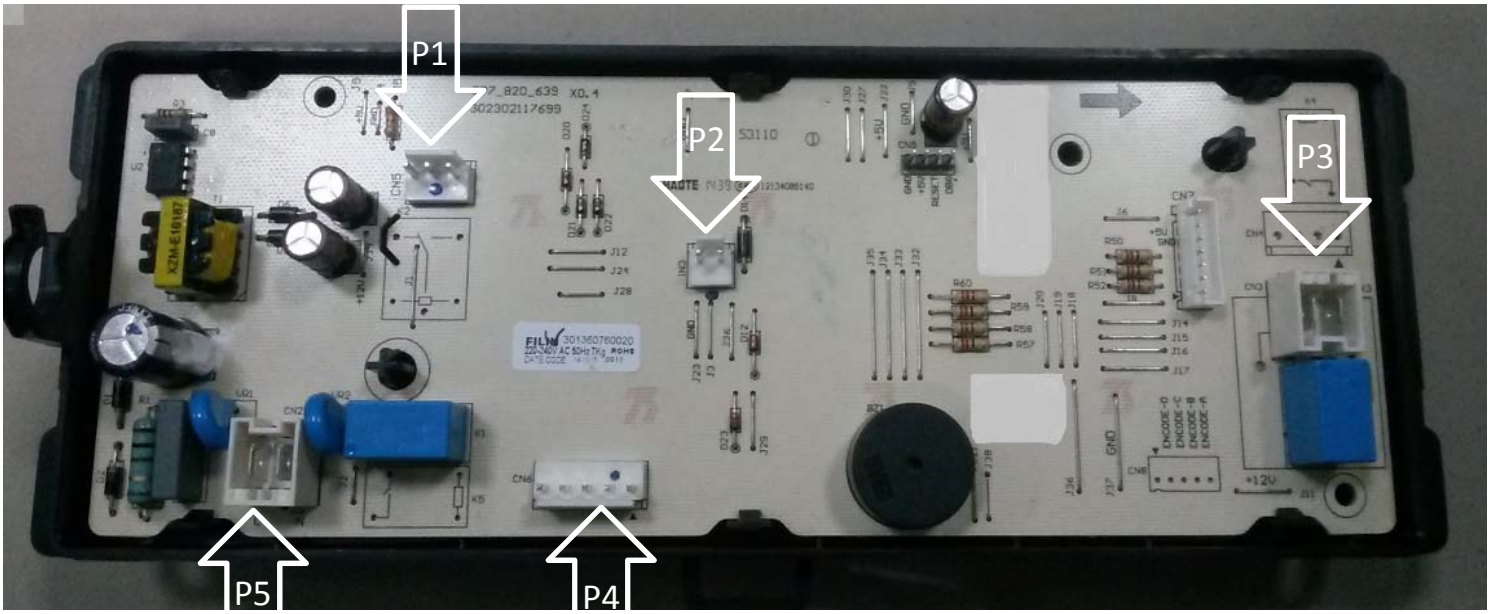
Steps of disassembling machine	Pictures
7. Remove the front plate assembly (1) remove the screws fixed front plate assembly; (2) take out the front plate assembly	
7-1. remove the door switch plate	
7-2. Remove the support components of the drum	
7-3. Remove the door gasket and front plate	
8. Remove the side plates and base assembly (1) remove the screws fixed side plates; (2) take out the side plates and base assembly.	
8-1. Remove the front air duct	

2 Unpacking Ways Of Main Parts

Steps of disassembling machine	Pictures
8-2. Remove the impeller	
8-3. Remove the fixd block of the motor	
8-4. Remove the fixd stator of the motor	
8-5. Remove the tight spring	
8-6.Take out the motor components	
8-7. Remove the capacitance	

2 Unpacking Ways Of Main Parts

Steps of disassembling machine	Pictures
8-8. Remove the motor bracket, Bottom plate and the air duct	



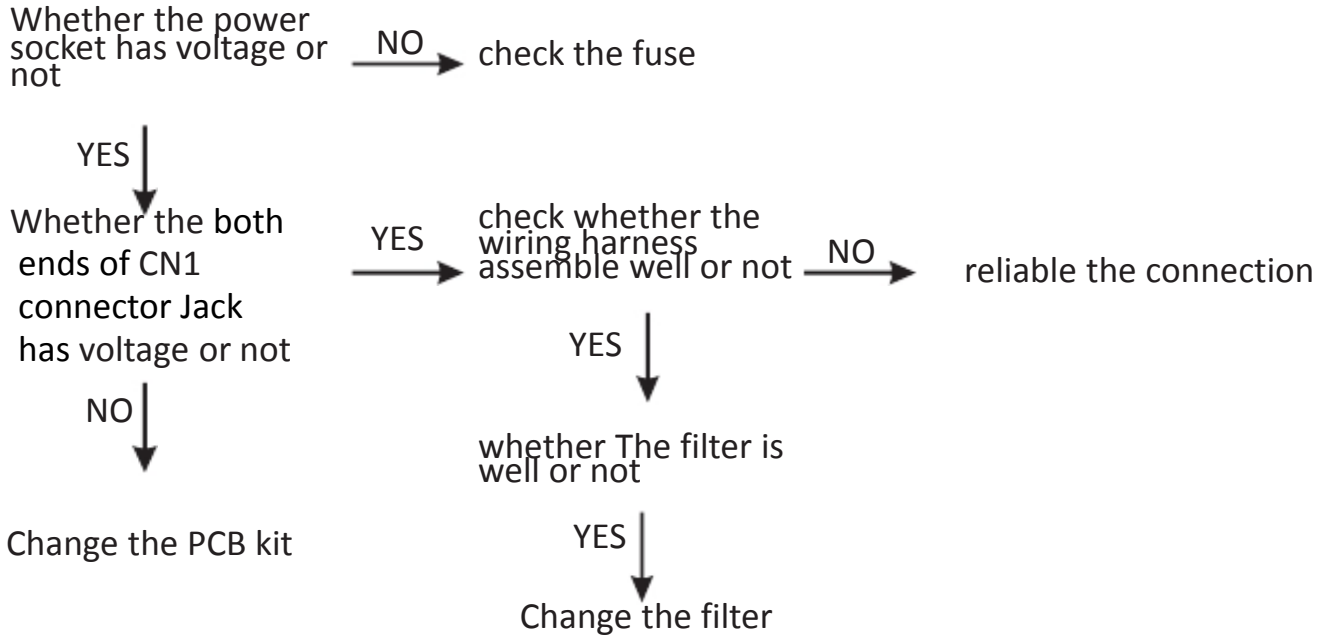
P1	Motor
P2	Door switch
P3	Heating pipe
P4	Temperature sensor
P5	Power cord

3 Malfunctions Codes And Explanations

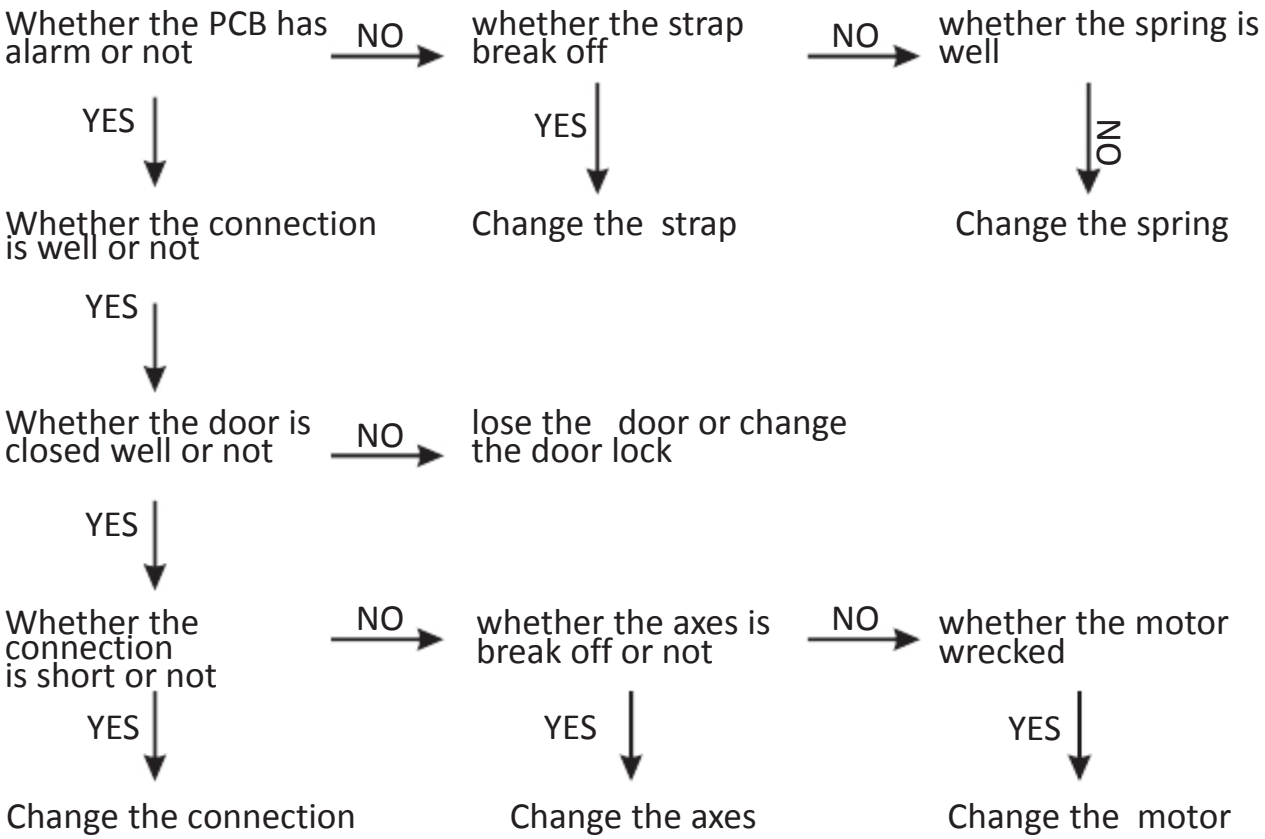
Error code	description	Criteria	Action after fault debounced	Failure indication
E3	Temperature Sensor error	Temperature Sensor is open or PCB fault	Stop the program and go to fault state	Led 3H and 6H flashing
E4	Temperature Sensor error	Temperature Sensor is short or PCB fault	Stop the program and go to fault state	Led 3H and 6H flashing

4 Troubleshooting

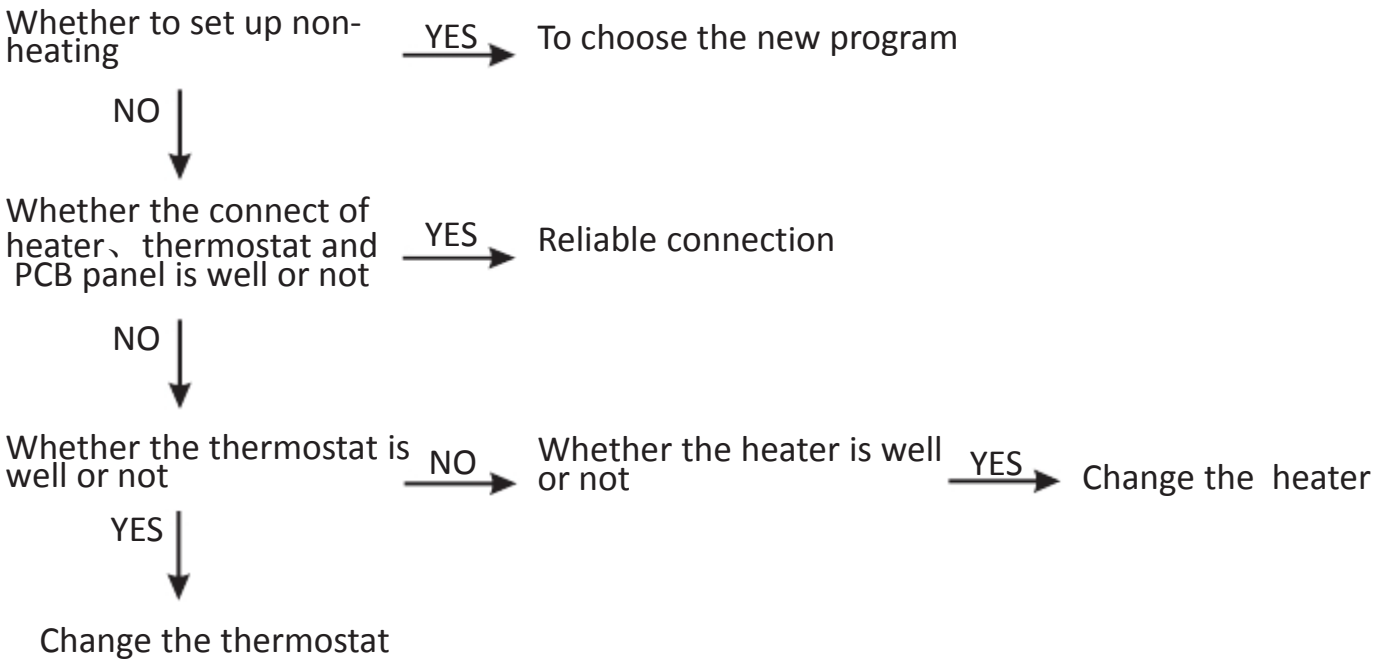
4.1 The Control panel not displayed after selecting the program



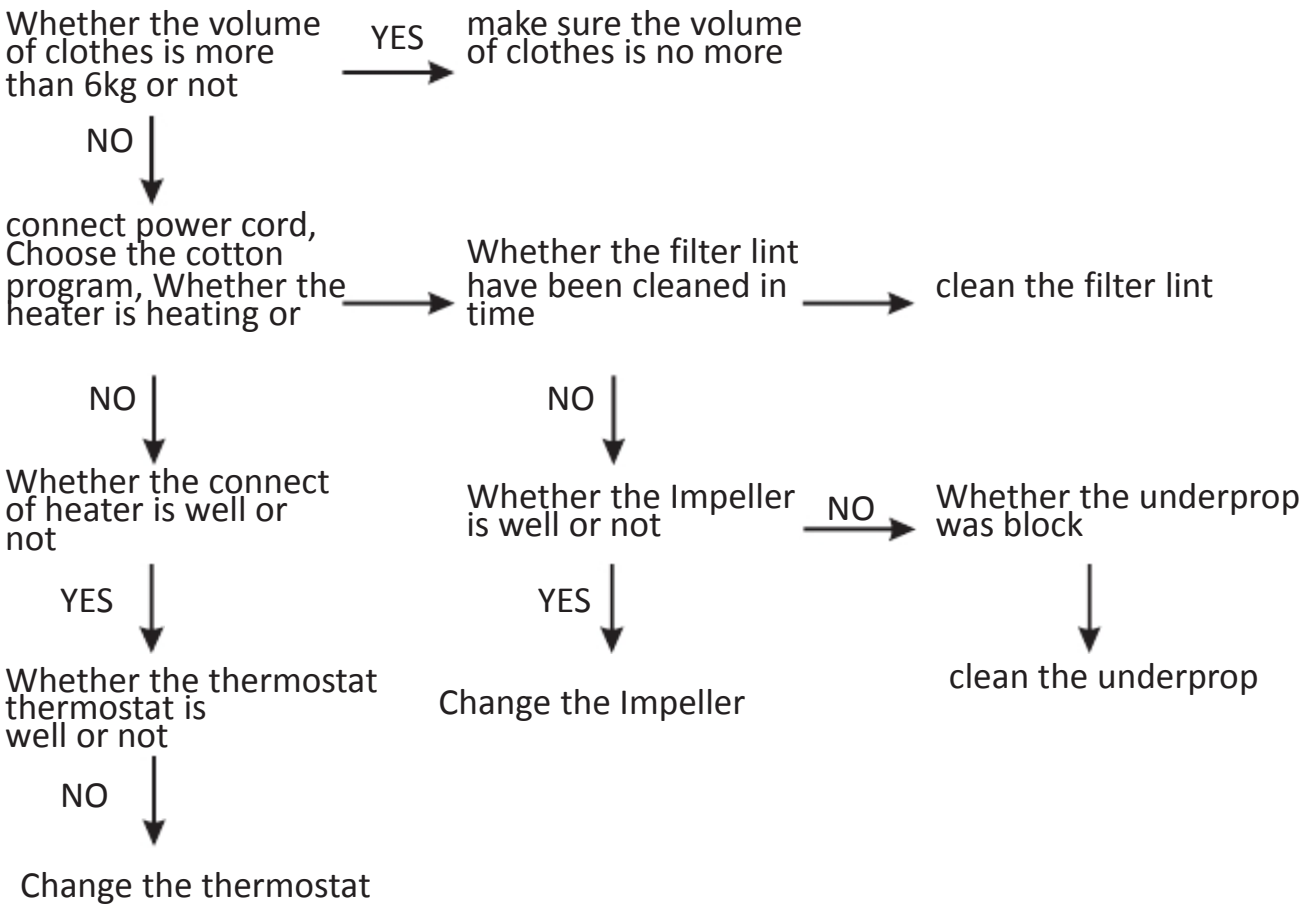
4.2 The drum not worked after selecting the program



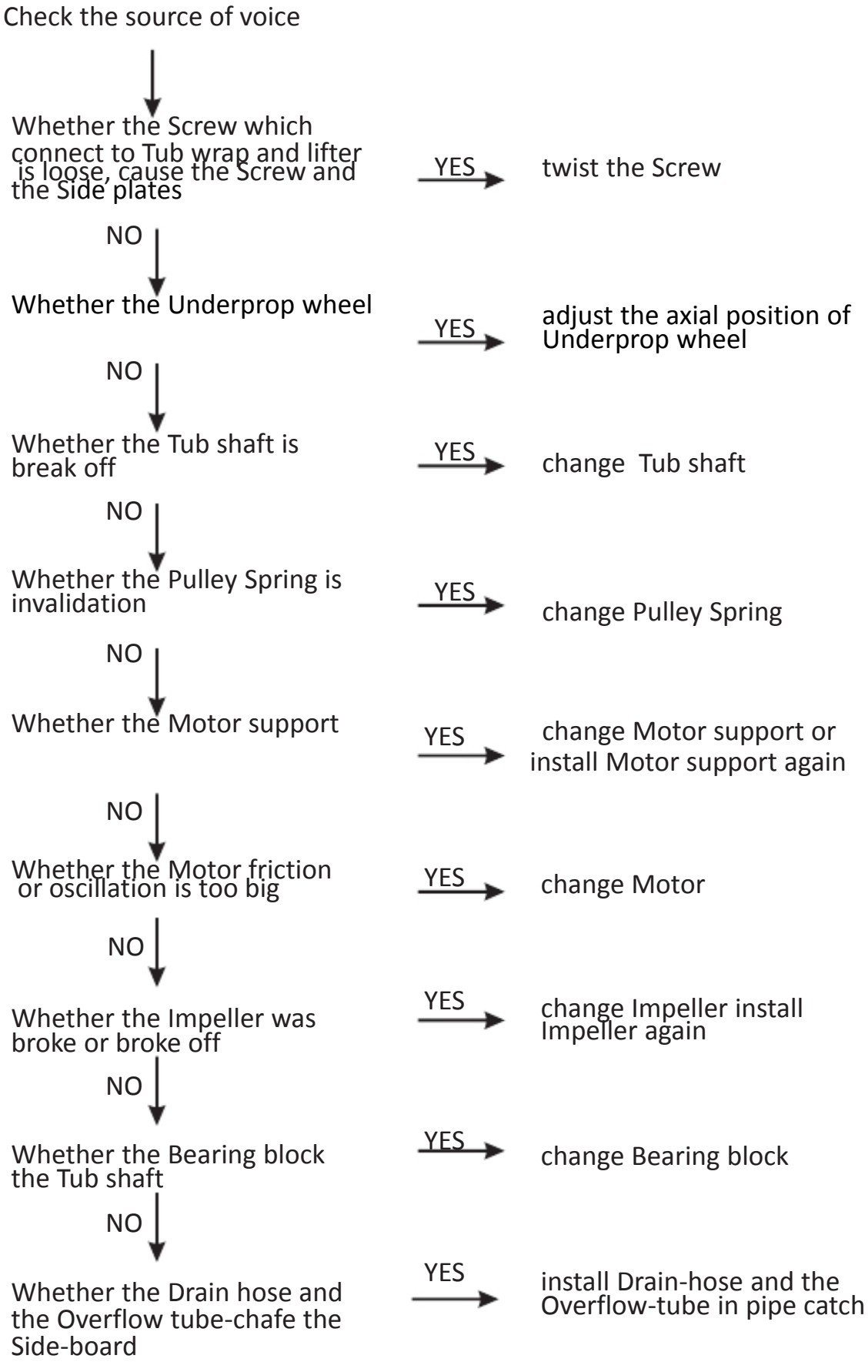
4.3 Maintenance non-heating malfunction



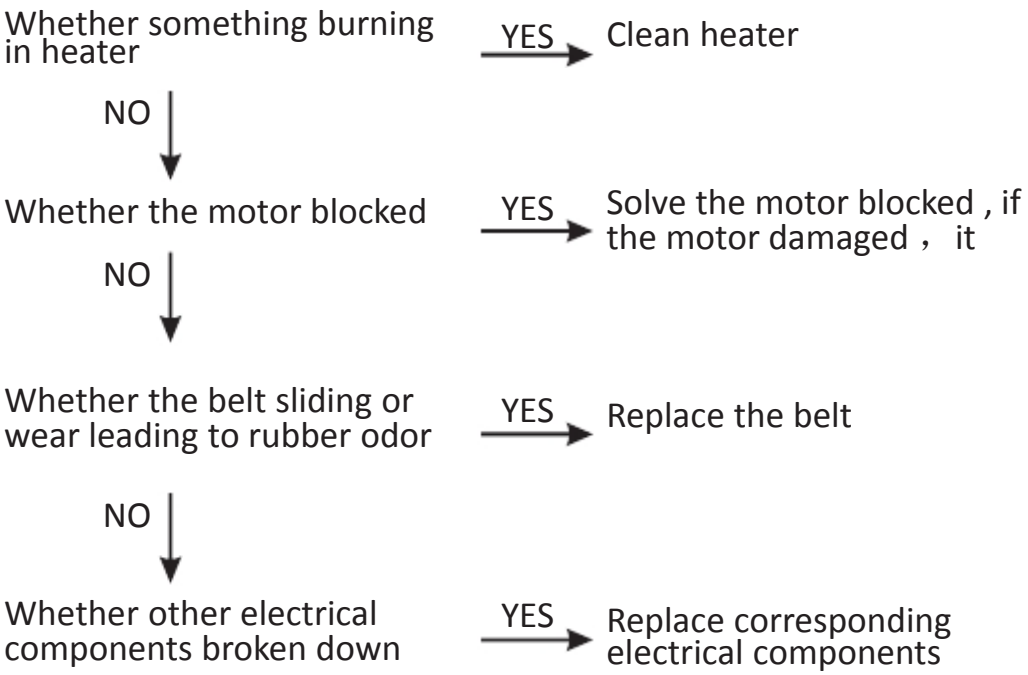
4.4 Drum worked , but the effect of drying is not good


Whether the volume of clothes is more than 6kg or not
YES
make sure the volume of clothes is no more
NO
connect power cord, Choose the cotton program, Whether the heater is heating or
Whether the filter lint have been cleaned in time
clean the filter lint
NO
NO
Whether the connect of heater is well or not
Whether the Impeller is well or not
NO
Whether the underprop was block
YES
YES
clean the underprop
Whether the thermostat thermostat is well or not
Change the Impeller
NO
Change the thermostat

4.5 Noise


Check the source of voice
Whether the Screw which connect to Tub wrap and lifter is loose, cause the Screw and the Side plates
YES
twist the Screw
NO
Whether the Underprop wheel
YES
adjust the axial position of Underprop wheel
NO
Whether the Tub shaft is break off
YES
change Tub shaft
NO
Whether the Pulley Spring is invalidation
YES
change Pulley Spring
NO
Whether the Motor support
YES
change Motor support or install Motor support again
NO
Whether the Motor friction or oscillation is too big
YES
change Motor
NO
Whether the Impeller was broke or broke off
YES
change Impeller install Impeller again
NO
Whether the Bearing block the Tub shaft
YES
change Bearing block
NO
Whether the Drain hose and the Overflow tube-chafe the Side-board
YES
install Drain-hose and the Overflow-tube in pipe catch

4.6 Peculiar smell appears when the dryer is working



5 Check Point Of Circuit

Before repairing, use multimeter to judge circuit stand of fail.

No	Parts	parameter
1	Motor Assembly	Measured with a multimeter primary and secondary windings of the motor. Main winding (white-blue) 30.0 × (1 ± 10%) Ω (20 ℃) Secondary winding (white - red) 30.0 × (1 ± 10%) Ω (20 ℃)
2	Capacitor	Test capacitance value should be 9±5%uF
3	Thermostat	With a multimeter to test the connection at both ends are each turned on. Conducting OK, the replacement is not turned on.
4	Temperature level Sensor	Measured across the resistor with a multimeter, the resistance line with RT table. According to the prevailing ambient temperature determination, error ± 3 ℃. 5℃: 25KΩ 10℃: 20KΩ 15℃: 15.5KΩ 20℃: 1 2.5KΩ 25℃: 10KΩ 30℃: 8KΩ 35℃: 6.5KΩ
5	Electric filter	With a multimeter to test the connection at both ends of the N and L are each turned on. Conducting OK, the replacement is not turned on
6	Heater	Test resistance value should be 29±10%Ω

5 Service Tools

Number	Tools	Suitable kit
1	Sleeve (13#) and spanner	Drum tub assembly
		Capacitance
2	Sleeve(14#) and pliers	Impeller
3	Other tools (screwdriver,pliers and so on)	Common service tools

7 Appendix

Machine function description, program description, the whole detailed parameter table, fault codes, etc. Please refer to the instructions.
Note: The schedule for the reference value.

MDS70-V032_A0
31-EU18-P1说明书

The end!